

## ABSTRACT

The invention relates to the use of roller fusing in printing. In particular, the invention relates to the use of heated rollers. According to one aspect of the invention, a fixing process and system for use with a printing apparatus is

5 provided wherein a flow of heat exchange medium through a first heating zone within a fixing roller and a second heating zone within the fixing roller is controlled, and marking material is fixed to a receiver with the fixing roller. According to another aspect of the invention, a fixing process and system for use with a printing apparatus is provided wherein marking material is fixed to a

10 receiver with a fixing roller and wherein a heat exchange medium is flowed through a first heating zone within the fixing roller, the first heating zone being biased toward the receiver.